

# EUROPEAN PATENT OFFICE

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APPLICANT : TDK CORP;

INVENTOR : NAKAYAMA MASATOSHI;

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TITLE : MODIFIED POLY(P-XYLYLENE) PROTECTION FILM AND ITS PRODUCTION

ABSTRACT : PURPOSE: To obtain the subject protection film having excellent corrosion resistance, adhesivity and film hardness by heat-treating a poly(p-xylylene) film in vacuum or in an inert or reducing gas atmosphere at a temperature above the glass transition point of the polymer.

CONSTITUTION: The objective protection film having an intensity/(half value width) ratio of an X-ray diffraction peak at about  $14^\circ$  of  $\geq 200$  is produced by heating a film of poly(p-xylylene), poly(monochloro-p-xylylene) and/or poly(dichloro-p-xylylene) in vacuum or in an atmosphere of an inert gas (e.g. argon or neon) and/or a reducing gas (e.g. hydrogen) at a temperature above the glass transition point of the film by high-frequency heating, microwave heating, etc.

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